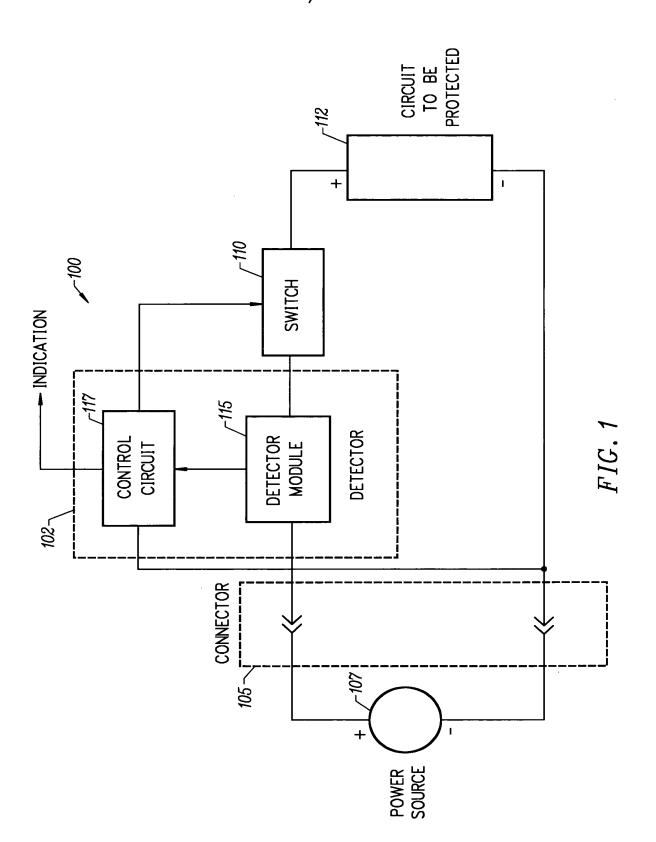
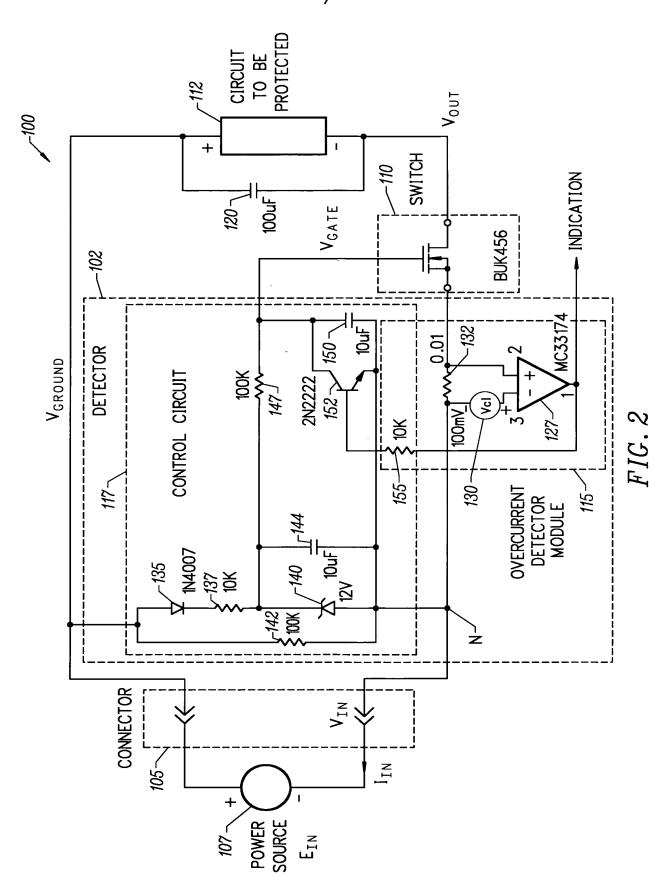
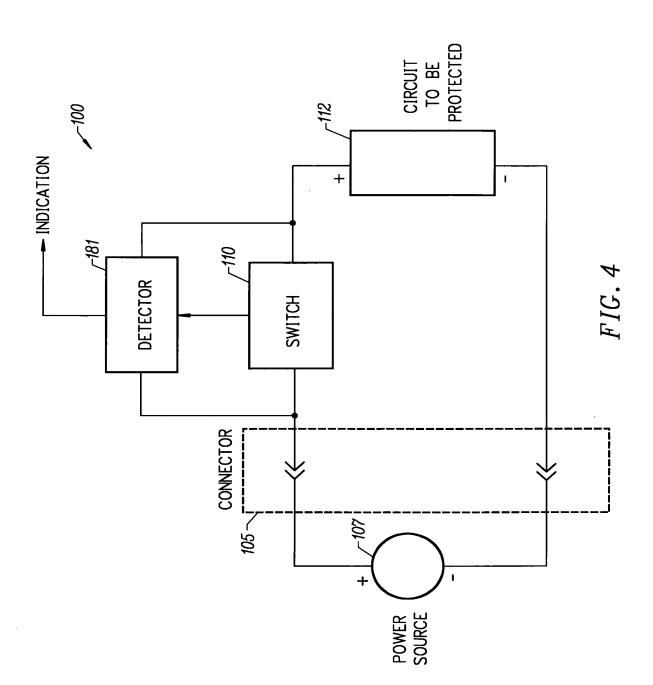
1/8



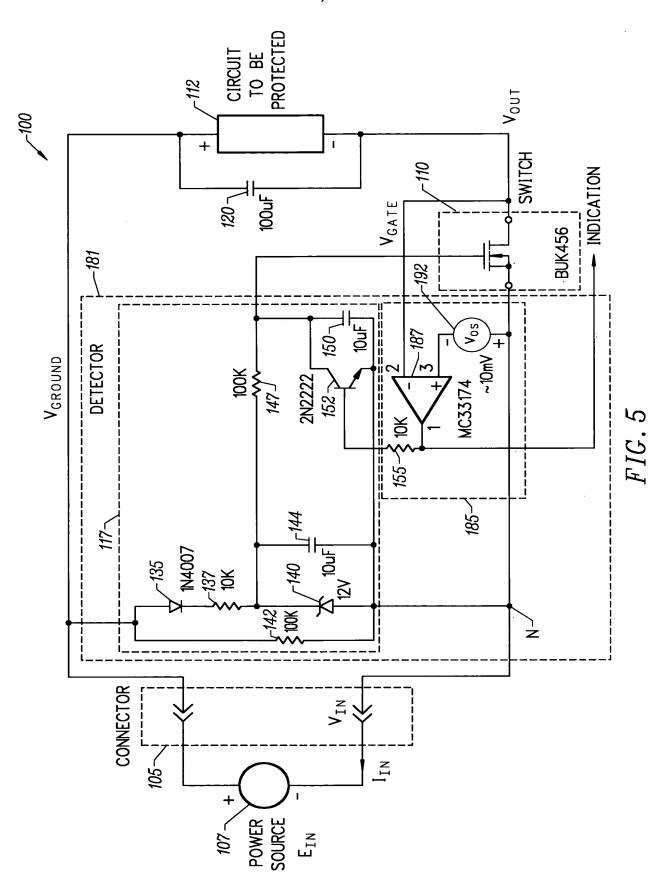
2/8



011775-01111US George B. F. Yee, Reg. No. 37,478 Telephone: 650-326-2400 Title: Hot-Swap Protection Circuit Inventor: Sam Seii Ochi Sheets of drawings 3 of 8 CIRCUIT & STATE OF THE PROTECTED 112 V_{0} UT 1000F 7207 SWITCH - INDICATION VGATE -165 **BUK456** -162 Ş VGROUND 10uF -180 ≆ 160~ MC33174 -132 100F 150 J 0.0 100K CONTROL CIRCUIT 2N2222 752 N FIG. 3100mV 첮 117 155-130-115 DETECTOR MODULE T_{12V} 10uF 1N4007 Ž CONNECTOR NI NI **105**~ NI. POWER SOURCE 107 E_{IN}

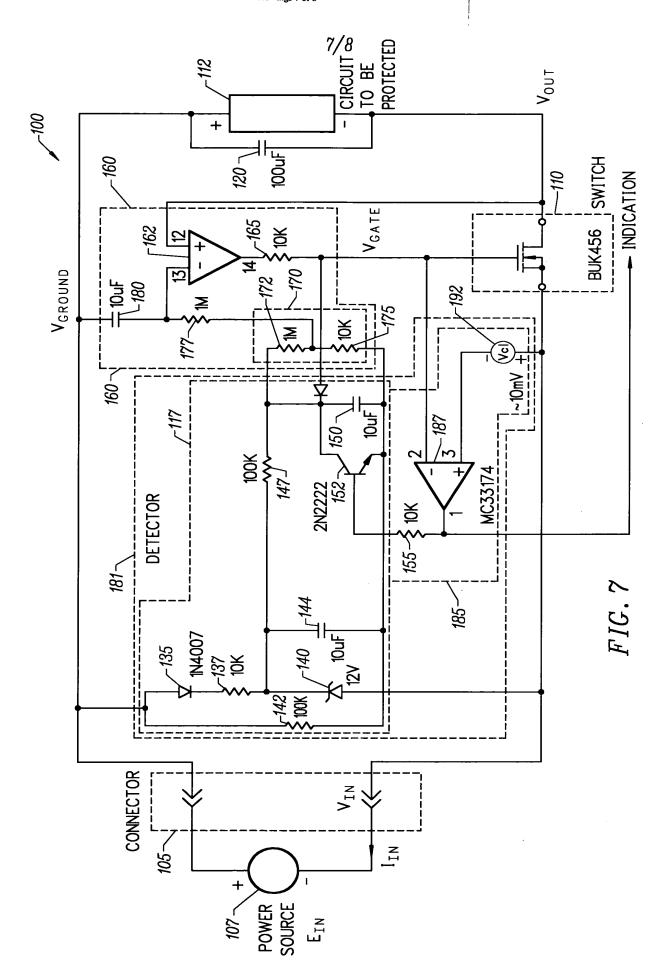


5/8



011775-011111US George B. F. Yee, Reg. No. 37,478 Telephone: 650-326-2400 Title: Hot-Swap Protection Circuit Inventor: Sam Seii Ochi Sheets of drawings 6 of 8 CIRCUIT 8/9 PROTECTED Vour 009 √ 021 100uF IRF2807 SWITCH - INDICATION VGROUND 110 5 美 0.14 등 RSTout 14 OUT sns 13 GATE 12 SOURCE 11 VCL 10 SOURCE 11 CATE 12 CATE 12 CATE 11 CATE 1 GSNS in 15 NC 16 1XHQ100 <u>5</u> 2 Vcc in 3 SHNToff S V_{DROP}
6 SLOPE
7 OFFTM 4 CAPin 8 AGND 1W 8.2K 15V 16V 10uF 0.1년 5 CONNECTOR 105 ~ I_IN POWER SOURCE E_{IN}

011775-011111US
George B. F. Yee, Reg. No. 37,478
Telephone: 650-326-2400
Title: Hot-Swap Protection Circuit
Inventor: Sam Seii Ochi
Sheets of drawings 7 of 8



6-

011775-01111US George B. F. Yee, Reg. No. 37,478 Telephone: 650-326-2400 Title: Hot-Swap Protection Circuit Inventor: Sam Seii Ochi Sheets of drawings 8 of 8 CIRCUIT 8/8 PROTECTED Vout R17 900 100uF 120 110 - IRF 2807 -INDICATION VGROUND -C2 3.3nF 0.1uFJ C9 √00 00 V V_{CL} 100 ≤ GSNS in 15 RSTout 14 GATE 12-NC 16 0UTsns [13] SOURCE 11 -195 FIG. 8 1XHQ100 $\overline{\Omega}$ 2 Vcc in 3 SHNToff CAPin S V_{DROP} SLOPE 7 OFFTM 8 AGND 0.1uF | 1uF | C4 100V \ 9 NI NI CONNECTOR *105* ∼ NI. POWER SOURCE EIN 707